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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/511.728	01/19/2005	Jeppe Bastholm	66383-033-7	66383-033-7 2568		
25269	7590 08/09/2006		EXAM	EXAMINER		
	GOSSETT PLLC	GLASS, ERI	GLASS, ERICK DAVID			
1300 I STRE	SQUARE, THIRD FLOC ET, NW	ART UNIT	PAPER NUMBER			
	ON, DC 20005		2837			
			DATE MAILED: 08/09/2006	DATE MAILED: 08/09/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	Application No. Applicant(s)				
		10/511,72	8	BASTHOLM, JEPPE			
		Examiner		Art Unit			
-		Erick Glas		2837			
Period fo	The MAILING DATE of this communication r Reply	appears on the	cover sheet with the c	orrespondence ac	ddress		
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by seply received by the Office later than three months after the new day and the patent term adjustment. See 37 CFR 1.704(b).	G DATE OF TH R 1.136(a). In no eventh n. eriod will apply and with tatute, cause the appl	IS COMMUNICATION nt, however, may a reply be timed to be some ABANDONE.	N. nely filed the mailing date of this o D (35 U.S.C. § 133).	,		
Status							
2a)⊠	Responsive to communication(s) filed on 1 This action is FINAL . 2b) Since this application is in condition for all closed in accordance with the practice und	This action is nowance except	for formal matters, pro		e merits is		
Dispositi	on of Claims						
5) □ 6) ☑ 7) □ 8) □ Applicati 9) □	Claim(s) 1-7 is/are pending in the applicati 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1,2,5,6 is/are rejected. Claim(s) 3,4 and 7 is/are objected to. Claim(s) are subject to restriction and on Papers The specification is objected to by the Exart The drawing(s) filed on 19 October 2004 is.	ndrawn from col	equirement.	to by the Examir	ner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) 🔲 Notic 3) 🔲 Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948 mation Disclosure Statement(s) (PTO-1449 or PTO/St r No(s)/Mail Date		4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate	O-152)		

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DETAILED ACTION

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "said second period of time being shorter in duration than said first period of time" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filling date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abevance.

Claim Objections

Claim 7 is objected to because of the following informalities: states, " a second period of times less than 10 milliseconds". Appropriate correction is required. The

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specification give the example of coming form 100 Hz, the reciprocal being 10 milliseconds. Not less than 10 milliseconds.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 2, 5, and 6 rejected under 35 U.S.C. 103(a) as being unpatentable over Bastholm et al (6,509,705) in view Weimer et al (5,982,156).

With respect to claim 1, 5, and 6, Bastholm et al. discloses a drive unit for an actuator that drives a movable member (including an article of furniture) (col. 1, lines 3-9) comprising a dc motor having a rotor consisting of a plurality of coils connected to a commutator in connection with a set of brushes (col. 1, lines 3-5; inherent that a dc motor has a rotor with coils and a commutator that contacts brushes); a transmission that uses the motor to drive an adjustment means that adjusts an adjustable element (col. 4, lines 62-65); a power supply that supplies power to the drive unit, where the power supply comprises a transformer having a primary side connected to an ac source (col. 1, lines 6-7), and a secondary side having a recitification and smoothing means for connection to the dc motor (col. 1, lines 7-9); the drive unit comprises a first control to compensate for loss in the motor, thereby keeping the motor at a constant speed (cols. 3/4, lines 58-67/1-13; current feedback reduces power loss and keeps motor speed

constant; and the drive unit also comprises a second control that removes voltage ripple, also keeping the motor at a constant speed (col. 3, lines 35-45; tapping current reduces voltage ripple; reduced power loss means the motor can stay at a constant speed).

Basthom et al. does not disclose the second period of time being shorter in duration than said first period of time.

Weimer et al discloses a control circuit that provides the same control wherein the second period of time being shorter in duration than said first period of time. With respect to figure 2, the first period relating to the inductor and transistor (L and 214) varies according to the voltage, while the second stage relates to the capacitor being shorter in length. It is commonly know in the art that the first period relating to the inductor and transistor of a boost circuit has a longer period than the second period relating to the capacitor.

With respect to claim 2, Bastholm et al. does not disclose the forward and power steps as claimed.

Weimer discloses a converter that uses forward step where the duty cycle is expressed in terms of a constant and. the input voltage (cols. 11/12, lines 20-67/1-49; Vref is the constant and V1 is the input voltage; therefore, arranging equation 4 around gets the relationship; a power step where the output voltage is expressed by the input voltage and the duty cycle (equation 5); and the forward step and the power step result in the output voltage being equal to the constant (equations 6 and 1 allow the output

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voltage to equal the constant Vreg. The motivation to implement the forward and power steps is to reduce the effects of transients (cols. 3/4, lines 66-67/1-3).

Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to implement the converter of Weimer et al. into the Bastholm et al. circuit, thereby providing the advantage of reducing transients, as taught by Weimer et al.

Allowable Subject Matter

Claims 3 and 4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

With respect to claims 3 and 4, the Prior Art does not disclose the specific relationship between the variables and constant as claimed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erick Glass whose telephone number is 571-272-8395. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan can be reached on 571-272-1988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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